

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-050102

(43)Date of publication of application : 23.02.2001

(51)Int.Cl.

F02F 1/24
F01L 1/34

(21)Application number : 11-293948

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(22)Date of filing : 15.10.1999

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(30)Priority

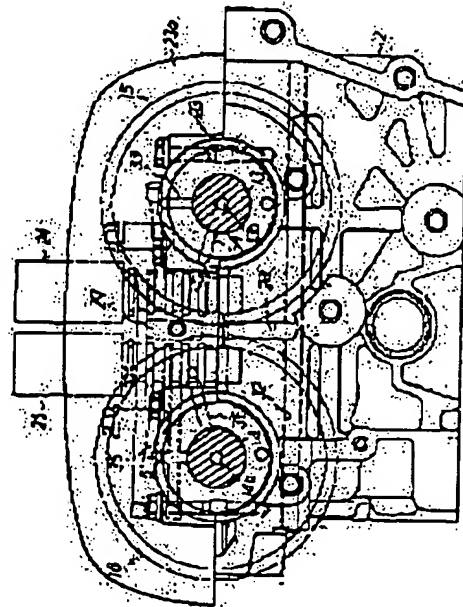
Priority number : 11152642 Priority date : 31.05.1999 Priority country : JP

(54) FOUR-CYCLE ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a small-sized and compact four-cycle engine by arranging a control valve in a rational and compact configuration.

SOLUTION: In a four-cycle engine in which VVTs (Variable Valve Timing Devices) 15, 16 are attached to respective ends of an intake cam shaft 13 and an exhaust cam shaft 14, two control valves 24, 25 for controlling hydraulic pressure fed to the VVTs 15, 16 are arranged vertically between the intake cam shaft 13 and the exhaust cam shaft 14. These control valves 24, 25 can be arranged in a compact manner within the size of an existing cylinder head 2, thereby it is possible to provide a small-sized compact four cycle engine.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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